

Appln. No.: 10/526,734

Reply to Office action of August 1, 2007

IN THE DRAWINGS:

The attached sheets of drawings include changes to Figures 3a-c and 4b. These sheets, which includes Figures 3a-c and 4a-b, replaces the original sheets of drawings including Figures 3a-c and 4a-b.

Attachment: Replacement Sheets

REMARKS

Reconsideration of this application as amended is respectfully requested.

Filed herewith are replacement drawings, in which Figures 3a-c and 4B are labeled as "prior art" as requested by the examiner.

Also submitted for consideration by the examiner is an IDS form in which those items mentioned in the background are listed.

The Abstract has been amended to eliminate "means" and "said".

Claims 9 and 10 are cancelled from the application without prejudice.

It is believed that this application now is in condition for allowance. Further and favorable action is requested.

The Patent Office is authorized to charge or refund any fee deficiency or excess to Deposit Account No. 04-1061.

Respectfully submitted,

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October 1, 2007
Date

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ABSTRACT

The invention relates to gudgeon pin bushes which find application in highly-stressed engines, with the problem of a tendency to pit, in particular in the middle regions (with relation to the radial axis of the bush), on starting the motor. According to the invention, the problem can be avoided whereby the friction surfaces of a gudgeon pin bush, at least in the high loading region, have the following parameters measured over the bush cross-section in the axial direction: the support percentage is a minimum of 99.0 % to a depth of at most 1.800 m, the depth of the roughness core profile is at most 0.30 m, the proportion of the material Mr1 of the roughness core profile is at most 8 %. The gudgeon pin bush can be obtained by finishing the bearing surface of the gudgeon pin bush using a surface machining method.